

AN APPARATUS AND SERVICE FOR DISTRIBUTING AND  
COLLECTING BULK DATA BETWEEN A LARGE NUMBER OF MACHINES

ABSTRACT OF THE DISCLOSURE

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10 A method that, all-in-one, allows applications to distribute asynchronously large amounts of data from a source node to multiple destination nodes, to process that data on each single node and to collect the results of that processing on one or more report-to nodes. Distributions are given levels of priority that determine the order in which they are handled by repeaters. A distribution with a given priority can use the number of sessions reserved for its priority level plus any sessions allocated for lower priority levels. Distributions are enqueued in a persistent queue, according to its priority, for subsequent distribution and immediately returns to the caller an ID that can be used as a correlator for the results.

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